

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/554,173  
Source: IFWP  
Date Processed by STIC: 1/16/07

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

DATE: 01/16/2007

PATENT APPLICATION: US/10/554,173

TIME: 15:22:39

Input Set : A:\Sequence Listing 514862002400.txt

Output Set: N:\CRF4\01162007\J554173.raw

3 <110> APPLICANT: SWETREE TECHNOLOGIES AB  
 4 HERTZBERG, Magnus  
 6 <120> TITLE OF INVENTION: Tissue specific promoters  
 8 <130> FILE REFERENCE: 514862002400  
 10 <140> CURRENT APPLICATION NUMBER: 10/554,173  
 C--> 11 <141> CURRENT FILING DATE: 2005-10-21  
 13 <150> PRIOR APPLICATION NUMBER: PCT/SE2004/000604  
 14 <151> PRIOR FILING DATE: 2004-04-20  
 16 <150> PRIOR APPLICATION NUMBER: SE0301233-3  
 17 <151> PRIOR FILING DATE: 2003-04-28  
 19 <160> NUMBER OF SEQ ID NOS: 5  
 21 <170> SOFTWARE: PatentIn version 3.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 1093  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Populus tremula x tremuloides  
 28 <400> SEQUENCE: 1  
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 31 ttttcattga taatatttcc aatattttaa attaaatggg catcatcatt cgattaattc 120  
 33 acaatattta gtcctgtcta atcatagaaa tcttgtctcc gtacatgaaa gttgattaaa 180  
 35 aataaataag ttattaatct tattagttaa tttgatgtat tgattcatga gtttagtaga 240  
 37 tttatccatc aaatctaata tgtatttttt tagtttttgg ttcattgatt tttctaattg 300  
 39 tttttttatt ttactatttt tcagtattgr attgttttaa aaataaaaatt tatagtttat 360  
 41 tttttttttc tatagagcta tcactatctc aataaatatc ttttttagagt tgggtgttga 420  
 43 ttttgtaaac atcaaatttt atcataaaat taaataaaaa taatttataa aaacaacaaa 480  
 45 gtttaaacct attgaaatct ataaccgaag tcacaaagtt accaaaactt atttaatttg 540  
 47 gtatcatctc aataataatt aaaaaattat tgttttaatt ttttttttaa tctatcatat 600  
 49 ttttaactaat tatttaaaatt atctttgaac ttattaaatt aaattrttca tgcttgtag 660  
 51 agaaaatatt ctactaataa ataacttttg tcactactaag tcatgaaaaa tgtgatcttt 720  
 53 aatgatacaa gaacagaagt ccaaaagcag ggggggtaaa gaaagggaga ggttgccat 780  
 55 atatttgccct tacacttact ctacaaggaa ctttttgac ctaatgagcg taataaatag 840  
 57 tatagcayga tagcaatagc acaatagctc agaaatgata tagcttctaa ctaatataga 900  
 59 agacaacacg agcccaagat gtttagccctc caacttatgc caccctaacc tgcgtttata 960  
 61 ctctaaaaag ataaatgtag aaaaaaagtg aaaacctaac tgtacatggc tttagcttta 1020  
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 65 tctgttgctt cag 1093  
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 69 <211> LENGTH: 1245  
 70 <212> TYPE: DNA  
 71 <213> ORGANISM: Populus tremula x tremuloides  
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 76 tatttttttaa catttattaa attaaatgga ctaggactat acatacctta tctatgatgt 120

Does Not Comply  
Corrected Diskette Needed

see p. 3

## RAW SEQUENCE LISTING

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TIME: 15:22:39

Input Set : A:\Sequence Listing 514862002400.txt

Output Set: N:\CRF4\01162007\J554173.raw

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78 atttagtatt gcgtttcaaa taggggttga ataaattttg aattttatatt ctgttttaaaa 180
80 ttattttttt tatgttttca aatcgttttg atgtgctgat atcaaaaata attttgaaaa 240
82 aaatatatat tattttgatg tatttttgaa taaaaaatac tttgaaaaac aactgggttat 300
84 tacagtctca aacactccta gtagtcttag gcatagttta aaactcagtc cgacctggcg 360
86 ggtcgacttg ggactggaac cgggccgagt taaagaaaaa aataaaaaaa gaaaaaactt 420
88 ggtgtgacct ggtgactcgg ttgacccaga tgcaacccat tgatttttgt tttttttaa 480
90 ctaaaattac attgttttgc tttttttaa aaaaaaattg acccgtaaaa cctgggtcaaa 540
92 acccggaatc gaggtcttgg accgggacgg gtctaaaaac tatgatcttt ggtcaatata 600
94 ttaagacaac aagggtcaaat taaagggtaa tcaaaggaga gttttttttt ggttggttgg 660
96 ttggttttgg acctaatcat acaatcataa aataatcatg gatcaaaatg taggtaattc 720
98 aatcatggtg tgtaatagat tttttatatg atcatgtgtc accagctagg tctttttcca 780
100 aaattctaac aagaggttgg tatatgtaat aaaattatct ttaaacagac acaacccaca 840
102 ccctctataa ttaatcttaa caacaagtta atataaaaca attttttttt tttgtctaaa 900
104 tatattttgc tgaygggtag catcccacca actatctggt gcagatagca actcaagtcc 960
106 ttcccaataa acacattttt ccatgattcc tttcacttca agtgacaact aaacgaagca 1020
108 aagcctcgtc aaattaaaaa aaaaaaaaaa aggggtccga ataatacataa tgtggctttt 1080
110 gagtttgcca gtacctgtca tcgaccrgtt agcttcaacc tccgcaaaaa aacatacagc 1140
112 ttcgctataa aacaactcct tgtttattaa ttgttgtctt ccacrtctct caatctctct 1200
114 caaagaatcc ctttcttttt cctcaaaaact caggggtcag tatct 1245
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119 <212> TYPE: DNA
120 <213> ORGANISM: Populus tremula x tremuloides
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125 aaaaaattta aaaaaaattt acaaataaat ttaaaattca aatacaaaac agattgatat 120
127 agaatttact attaattata cctctataag cagagacata atattctctt ttgagaaaca 180
129 aaatattatt ataattgata ttccaacaaa aaaacaaatc aatctcttta ttttagaaag 240
131 taaaataact tataattggt cataattggt tgtagatgga cgtcatgttt gtcgggggta 300
133 gacgcctctc tggttaaaat aaaataaaaa aataattttc taatcttatc caaaatttgt 360
135 aacctctgyc aactgaaata tagtattctt agaattgata ttttaaatga aatccaaatg 420
137 cttagaattt atttttagcca tgttgatgag aaagtcaagc accccattaa ataaaataaa 480
139 ataaaataaa aaattacaag gtaattatgc acctagaaat ttttattttt ttaatataat 540
141 aataccctt tctgactgga aaaggctgcg aggttgtcat tcacacaaca aatatcagct 600
143 atttcaggat ccacgcagc actcgcaatc ttcacattta gcaaaatcag agcagcgtat 660
145 gccctgtttt tttcaccttt ttatcgact aatcctagag acgaacagtg tttattgttt 720
147 ttctcttaat atttgacctt ttcacttatt ygaaaagtca aatgttaatt tccaccgagc 780
149 tttatcctgt aaatagcgtg tttaatgccg gctgtaaata agatagatga tcgattttgt 840
151 atttacattc tcttatctta gacggaaagt tattaaaaaa ataaaataaa atagaaacct 900
153 acctaagatg tgaactcttg gcgtctctag ctgtttctgt ctctagaaca acctctacga 960
155 gtatagccga agcatatcct agcaagcttg aaccatatct actacctccc tccccgctat 1020
157 atatatataa accactcttc ttctagaaa aaaaataacc ctcgatcttt ctttcttgtg 1080
159 cttatgttga ttttgtttga ttttcatata tcatgagcaa tataccaaga tct 1133
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163 <211> LENGTH: 1807
164 <212> TYPE: DNA
165 <213> ORGANISM: Populus tremula x tremuloides
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature

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## RAW SEQUENCE LISTING

DATE: 01/16/2007

PATENT APPLICATION: US/10/554,173

TIME: 15:22:39

Input Set : A:\Sequence Listing 514862002400.txt

Output Set: N:\CRF4\01162007\J554173.raw

169 <222> LOCATION: (616)..(616)

170 <223> OTHER INFORMATION: unknown amino ? This is a nucleotide sequence.

173 <400> SEQUENCE: 4

174	gatgcaaaaag	ctggaatgag	aatgcgctaa	atgcgaaaaag	acagagagag	cgaataaatc	60
176	gtgcaaaaaa	aggagtggg	tgggtaacgg	gttgagctag	aagaagaaaa	gggacaagt	120
178	cacttttagg	ggggggcaac	cagagcgtag	atgataatgg	ttcatgtgga	aacaacacac	180
180	atgagcagtt	ggtgagaact	tgaatgaacc	ctaacagccc	aaccaaacc	ggagccaccc	240
182	ttaccgaacc	accacttcta	aaagtacacc	atgccttttt	cttgagcytg	gttgacacagg	300
184	gtgccrpgtg	gggttggttc	gttttgggta	atcatgcat	agtttaaata	cctttgcat	360
186	aatcatatca	atggygactt	ttaagcacat	gttaggtgct	cggttcttat	ctaaacatgg	420
188	acatggcmac	aagagttaat	gctaaaataa	tatacgtaca	tacctgtgaa	tgaatcgctg	480
190	ctgtcttctg	attatggctt	caaattaata	tgagataaaa	caagtgtcga	tttttcagtg	540
192	aagattttat	gaaagtggcc	gttctcctta	agattacctg	tgaatgaatc	atccctgtca	600
W--> 194	ggctgatcct	gggtgntttt	tccccatgrt	gttcggaaga	tataattata	taaattgatgg	660
196	aattttacatg	aaataagttt	cagtacattc	ttagcagaaa	agcaatatcg	acgaagacaa	720
198	atgatgctgt	ttaagacaaa	ctggggtaat	atcaatttac	tagtaagaga	tttgkctgct	780
200	tttcttaatt	ctcaagaaac	ttcactaaa	atgcacagcc	atgttaaaca	atttacgttc	840
202	aacttaaaaa	ctaaaactgc	aggatgggta	gctatccaag	aatgattaat	aaacgatttt	900
204	aacaaagaac	tacgtttttt	gtaaaactaa	ttttgatggg	catgtagtta	acaagtattt	960
206	gtcattgatc	aattcaagag	ccatgtctgc	atcataattg	tgggagtgga	ggaggctttt	1020
208	gttgctaggg	aaggaatgcc	ttcttagttc	atggccttgg	acttcggaca	aggagcgc	1080
210	agaatggggt	taccattttt	gaaaaaaatt	acatttgaac	cctccaacta	ttatcatgta	1140
212	tgtttaaatc	acaatcctcg	tccgctagaa	gaagtgtggg	ttcaaagtca	tccgctcaat	1200
214	gtaaaccatg	gagaggcagg	gactaattga	aaatagtatg	ttagttggag	ggtctgcatg	1260
216	tattatgtcc	aaacattctc	ttattattcc	tgtatcatct	ctgagaaatt	catccgaaaa	1320
218	taataaaaaca	aatggcctt	ttttaaaaaa	agaagctgat	gcataggata	ccaaaagcgc	1380
220	cttgctcatt	aggagcgtca	gactttgaaa	ataagaccaa	taattccctg	taagctatca	1440
222	tctcatcttt	tattttgttt	gaacttgtag	acgtaggctt	taagcgttcc	atgatgttca	1500
224	gtcacatggt	gctgtctact	tgattatgga	atttaattca	ttcggctcat	aagaagataa	1560
226	aaggattatg	acgttgaaga	actctggtca	ctccttactt	acggtcacat	aaaaacgatg	1620
228	catctttccc	caccaaccat	cttcaagtga	acccactttc	ccttgcatga	ggtaaggagt	1680
230	atgggttaag	tcactttcat	gaaattagtc	ccctagtggg	gctaattcta	ctcactccat	1740
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234	tcttctc						1807
237	<210>	SEQ ID NO: 5					
238	<211>	LENGTH: 1494					
239	<212>	TYPE: DNA					
240	<213>	ORGANISM: Populus tremula x tremuloides					
242	<220>	FEATURE:					
243	<221>	NAME/KEY: misc feature					
244	<222>	LOCATION: (337)..(337)					
245	<223>	OTHER INFORMATION: unknown amino same error					
248	<400>	SEQUENCE: 5					
249	tctgcttatg	aatggcatgg	acaacaagct	ctgcattttc	gccattttgc	accacaaaaat	60
251	cgttgtgtga	agatttttga	agggcaccag	cacaactttg	aaaagaactt	gtgaaaagat	120
253	agctggtcac	catagtggaag	caagggtact	agtgcagatc	gcatggctta	tatatgaatc	180
255	tgtcaatgag	tgtgtcttcc	acctactgaa	cctatctttg	gatcatgcag	cagcgacaaa	240
257	cagattttatc	ttggggaaat	ctgattacta	ttttgtcagt	ttgcttaaaa	cgagttgtta	300
W--> 259	gtaacagtga	ggatattygc	gggcttgctt	gtgagcnccc	aacagaaaag	attaaacagg	360

## RAW SEQUENCE LISTING

DATE: 01/16/2007

PATENT APPLICATION: US/10/554,173

TIME: 15:22:40

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Output Set: N:\CRF4\01162007\J554173.raw

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265	gctcaaaatg	tatgttcgag	caatatgcct	ggatgaatgtt	tgtaagata	cggaaaatta	540
267	agttactgaa	cttgactctt	ttgattttga	aacaagtttc	cgactatgtt	cattgtccta	600
269	gcacggtgat	attgatacgt	cgaattttca	actatttttg	tcttgttttc	aactattttct	660
271	gtcttgattt	tcaaagtctt	tttgaaaata	aaaaacccaa	aaatatgttt	tcagtgtctt	720
273	gttagctaaa	tctgttgtag	aaccaagcct	ccccgacttg	ctttgtgaaa	aagaaagatg	780
275	ggagctgggg	gttttggtgt	gattatacaa	aaccttacga	gataactgat	atacaagcaa	840
277	aaacaccctc	atattattga	atctgcgact	tctacagttc	atttctgagg	aagaattagg	900
279	tgactacttt	ctggactaga	tatttccgtg	ttcaatgcgt	cgcaacaatt	gatttggttg	960
281	ctggattatg	aacatgataa	tcacactata	gaaagacgac	gattatattt	caagctatgg	1020
283	acaatgatgt	tacctgctcg	aagatcaata	cgcttgaagg	ccaagatatg	atcascaggt	1080
285	atgcaggcag	tccagatggc	ttcttgggat	atgagcttca	agattgttct	tgaaaagaac	1140
287	caaataaatt	gtaaaattct	ctgggaatat	ttttttgtaa	aattatcagc	attgctattt	1200
289	tttttttcaa	attcatttaa	atattgctat	tgggttagta	gttcagcgca	attaacttag	1260
291	ctggcagtct	ggcattagct	tcaaatcata	tcacaacgtt	aaaagcagcc	gttgcaacta	1320
293	gtcagcccac	tagcatttgc	tggtgaccaa	tcagatcata	aaaggaaaac	tagccgttgg	1380
295	caaaccctct	ttcaacggtc	atctccctgc	ttcatgatat	atatgcttag	atatcccagt	1440
297	atcccccttca	acaaattatc	tcaatcttca	aaaccagtc	cccagttaca	gcag	1494

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/16/2007  
PATENT APPLICATION: US/10/554,173      TIME: 15:22:41

Input Set : A:\Sequence Listing 514862002400.txt  
Output Set: N:\CRF4\01162007\J554173.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 616

Seq#:5; N Pos. 337

## VERIFICATION SUMMARY

DATE: 01/16/2007

PATENT APPLICATION: US/10/554,173

TIME: 15:22:41

Input Set : A:\Sequence Listing 514862002400.txt

Output Set: N:\CRF4\01162007\J554173.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600

L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300